

Inventions & Innovation Emerging Technology

High-Temperature Coating for Gas Turbine Components

A new high-temperature coating material for gas turbines has been developed as a replacement for existing coating materials. Coatings made from this new material provide superior cracking resistance and enhanced oxidation protection to the hot-section components of gas turbines and better adhesion for thermal barrier coatings, while reducing manufacturing cycle time and cost. In addition, the process for applying the new coating material is more environmentally friendly than some of the current techniques.



Contact

*Turbine Coatings, Inc.
PO Box 600
Schenectady, NY 12301*

*Contact: Maggie Zhing
Telephone: 518-348-0551
Email: maggie.zhing@turbnco.com*



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